

LISTING OF THE CLAIMS:

Claim 1 (Currently Amended): An ink for an ink jet comprising a coloring composition comprising:

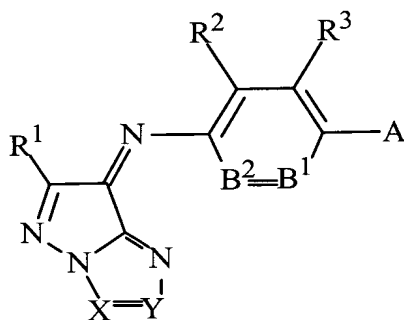
(a) a dispersion medium; and

(b) coloring particulates comprising:

(b-1) a polymer which is selected from the group consisting of polyurethanes, polyesters, polyamides, polyureas and polycarbonates; and

(b-2) an oil-soluble dye represented by formula (1):

Formula (1)



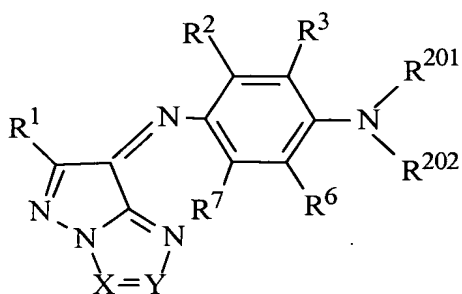
wherein R¹ represents a hydrogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, -SO₂R¹⁹, SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶, -COR²⁷, -NR²⁸COR²⁹ or -NR³⁰SO₂R³¹, and R¹, R², R³, R⁴, R⁵, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁴, R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰ and R³¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein A represents -NR⁴R⁵ or a hydroxyl group, and R⁴ and R⁵ each represents independently a hydrogen atom, aliphatic group, aromatic group or heterocyclic group; wherein B¹ represents =C(R⁶)- or =N- and B²

represents $-C(R^7)=$ or $-N=$; wherein R^2 , R^3 , R^6 and R^7 each represents independently a hydrogen atom, halogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, $-OR^{51}$, $-SR^{52}$, $-CO_2R^{53}$, $-OCOR^{54}$, $-NR^{55}R^{56}$, $-CONR^{57}R^{58}$, $-SO_2R^{59}$, $-SO_2NR^{60}R^{61}$, $-NR^{62}CONR^{63}R^{64}$, $NR^{65}CO_2R^{66}$, $-COR^{67}$, $-NR^{68}COR^{69}$ or $-NR^{70}SO_2R^{71}$, and R^{51} , R^{52} , R^{53} , R^{54} , R^{55} , R^{56} , R^{57} , R^{58} , R^{59} , R^{60} , R^{61} , R^{62} , R^{63} , R^{64} , R^{65} , R^{66} , R^{67} , R^{68} , R^{69} , R^{70} and R^{71} each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein R^2 and R^3 , R^3 and R^4 , R^4 and R^5 , R^5 and R^6 , or R^6 and R^7 are optionally mutually bound to form a ring; wherein X and Y each represents independently $C(R^8)=$ or $N=$, R^8 represents a hydrogen atom, aliphatic group or aromatic group, either X or Y shall represent $N=$, and X and Y shall not be simultaneously $-N=$; and wherein in the formula (1), two or more substituent groups represented by $-NR^{170}SO_2R^{171}$ are present in the dye, and R^{170} and R^{171} each represents independently a hydrogen atom, aliphatic group or aromatic group,

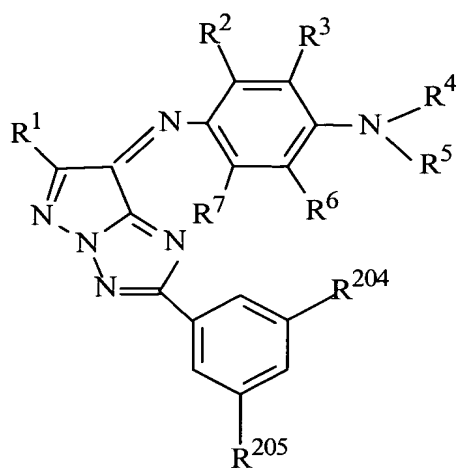
and wherein the polymer and the oil-soluble dye are separate compounds.

Claim 2 (Currently Amended): An ink for an ink jet according to claim 1, wherein the oil-soluble dye is at least one compound represented by any one of formulae (2-1) to (2-5):

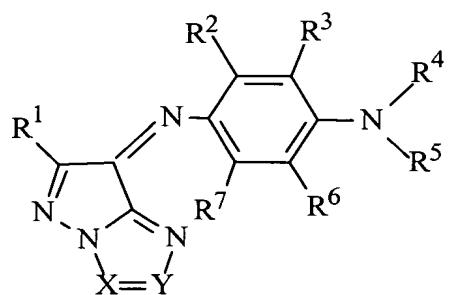
(2-1)



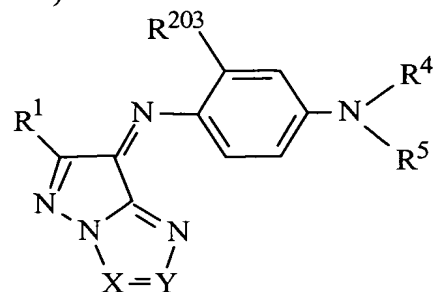
(2-3 a)



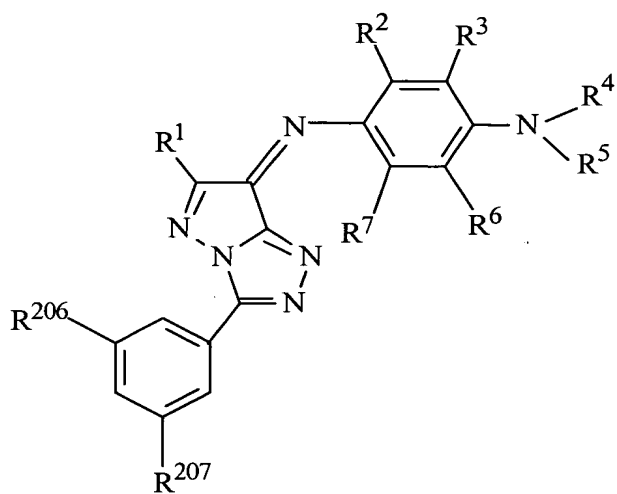
(2-4)



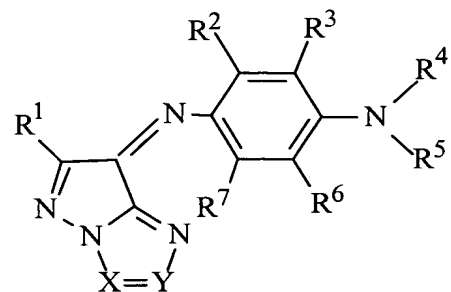
(2-2)



(2-3 b)



(2-5)



wherein in the formulae (2-1) to (2-5) X, Y, R¹, R², R³, R⁴, R⁵, R⁶, R⁷ and R⁸ have the same meanings as defined with respect to the formula (1); wherein in the formula (2-1) R²⁰¹ and R²⁰² each represents a C₁₋₁₈ alkyl group having a substituent group, the substituent group is at least one member selected from the group consisting of a heterocyclic group, cyano, -OR¹⁴¹, -SR¹⁴², -CO₂R¹⁴³, -OCOR¹⁴⁴, -NR¹⁴⁵R¹⁴⁶, -CONR¹⁴⁷R¹⁴⁸, -SO₂R¹⁴⁹, -SO₂NR¹⁵⁰R¹⁵¹, -NR¹⁵²CONR¹⁵³R¹⁵⁴, -NR¹⁵⁵CO₂R¹⁵⁶, -COR¹⁵⁷, -NR¹⁵⁸COR¹⁵⁹ and -NR¹⁶⁰SO₂R¹⁶¹, and R¹⁴¹, R¹⁴², R¹⁴³, R¹⁴⁴, R¹⁴⁵, R¹⁴⁶, R¹⁴⁷, R¹⁴⁸, R¹⁴⁹, R¹⁵⁰, R¹⁵¹, R¹⁵², R¹⁵³, R¹⁵⁴, R¹⁵⁵, R¹⁵⁶, R¹⁵⁷, R¹⁵⁸, R¹⁵⁹, R¹⁶⁰ and R¹⁶¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-2) R²⁰³ represents a C₁₋₁₀ substituted alkyl group; wherein in the formulae (2-3a) and (2-3b), R²⁰⁴, R²⁰⁵, R²⁰⁶ and R²⁰⁷ each represents independently a cyano or a group having no more than C₁₀₀ selected from the group consisting of an aliphatic group, aromatic group, heterocyclic group, -OR²¹¹, -SR²¹², -CO₂R²¹³, -OCOR²¹⁴, -NR²¹⁵R²¹⁶, -CONR²¹⁷R²¹⁸, -SO₂R²¹⁹, -SO₂NR²²⁰R²²¹, -NR²²²CONR²²³R²²⁴, -NR²²⁵CO₂R²²⁶, -COR²²⁷, -NR²²⁸COR²²⁹ and -NR²³⁰SO₂R²³¹, and R²¹¹, R²¹², R²¹³, R²¹⁴, R²¹⁵, R²¹⁶, R²¹⁷, R²¹⁸, R²¹⁹, R²²⁰, R²²¹, R²²², R²²³, R²²⁴, R²²⁵, R²²⁶, R²²⁷, R²²⁸, R²²⁹, R²³⁰ and R²³¹ each represent independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-4) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ has substituent groups represented by -NR²⁷¹SO₂R²⁷², two or more substituent groups represented by -NR²⁷¹SO₂R²⁷² are contained in the dye, and R²⁷¹ and R²⁷² each represents independently a hydrogen atom, aliphatic group or aromatic group; and wherein in the formula (2-5) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ has one or more water-soluble groups.

Claim 3 (Original): An ink for an ink jet according to claim 1, wherein in the formula
(1) R^1 represents hydrogen, C_{1-6} alkyl group or C_{1-6} substituted alkyl group.

Claim 4 (Original): An ink for an ink jet according to claim 1, wherein in the formula
(1) X is $-N=$ and Y is $-C(R^8)=$.

Claim 5 (Original): An ink for an ink jet according to claim 1, wherein in the formula
(1) B^1 is $=C(R^6)-$ and B^2 is $-C(R^7)=$.

Claims 6 and 7 (Canceled)

Claim 8 (Original): An ink for an ink jet according to claim 1, wherein the polymer
includes 0.01 to 3.0 mmol/g of an ionic group.

Claim 9 (Original): An ink for an ink jet according to claim 1, wherein the polymer
includes 0.01 to 3.0 mmol/g of a ionic group, and the coloring composition is formed by
emulsifying and dispersing coloring particulates which contain said polymer and the oil-soluble
dye represented by formula (1) in a water-based dispersion medium.

Claim 10 (Original): An ink for an ink jet according to claim 1, wherein the polymer
contains at least one kind of ionic group selected from carboxyl groups and sulfonate groups.

Claim 11 (Original): An ink for an ink jet according to claim 1, wherein the polymer is polyurethane or polyester.

Claim 12 (Previously Presented): An ink for an ink jet according to claim 1, wherein the coloring particulates are obtained by emulsifying and making into fine particles an organic solvent which includes the polymer and the oil-soluble dye, by either adding water to the organic solvent, or adding the organic solvent into water.

Claim 13 (Original): An ink for an ink jet according to claim 1, wherein the ink has a wavelength of maximum absorption (λ_{\max} (nm)) in a wavelength range from 510 to 560 nm; and when absorbance at λ_{\max} is regarded as 1, the absorbance is no less than 0.2 at ($\lambda_{\max} + 75\text{nm}$), and the absorbance is no more than 0.4 at ($\lambda_{\max} - 75\text{nm}$).

Claim 14 (Original): An ink for an ink jet according to claim 13, wherein the absorbance is no less than 0.1 at ($\lambda_{\max} + 75\text{ nm}$), and the absorbance is no more than 0.3 at ($\lambda_{\max} - 75\text{nm}$).

Claim 15 (Currently Amended): A coloring composition comprising:

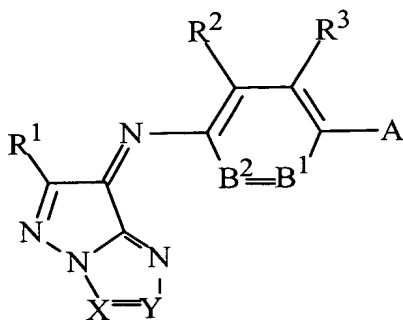
(a) a dispersion medium; and

(b) coloring particulates comprising:

(b-1) a polymer which is selected from the group consisting of polyurethanes, polyesters, polyamides, polyureas and polycarbonates; and

(b-2) an oil-soluble dye represented by formula (1):

Formula (1)



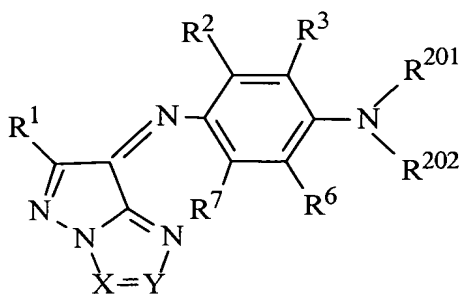
wherein R¹ represents a hydrogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, -SO₂R¹⁹, -SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶ -COR²⁷, -NR²⁸COR²⁹ -NR³⁰SO₂R³¹, and R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁴, R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰ and R³¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein A represents -NR⁴R⁵ or a hydroxyl group, and R⁴ and R⁵ each represents independently a hydrogen atom, aliphatic group, aromatic group or heterocyclic group; wherein B¹ represents =C(R⁶)- or =N- and B² represents -C(R⁷)= or -N=; wherein R², R³, R⁶ and R⁷ each represents independently a hydrogen atom, halogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, -OR⁵¹, -SR⁵²,

$-\text{CO}_2\text{R}^{53}$, $-\text{OCOR}^{54}$, $-\text{NR}^{55}\text{R}^{56}$, $-\text{CONR}^{57}\text{R}^{58}$, $-\text{SO}_2\text{R}^{59}$, $-\text{SO}_2\text{NR}^{60}\text{R}^{61}$, $-\text{NR}^{62}\text{CONR}^{63}\text{R}^{64}$, $-\text{NR}^{65}\text{CO}_2\text{R}^{66}$, $-\text{COR}^{67}$, $-\text{NR}^{68}\text{COR}^{69}$, $-\text{NR}^{70}\text{SO}_2\text{R}^{71}$, and R^{51} , R^{52} , R^{53} , R^{54} , R^{55} , R^{56} , R^{57} , R^{58} , R^{59} , R^{60} , R^{61} , R^{62} , R^{63} , R^{64} , R^{65} , R^{66} , R^{67} , R^{68} , R^{69} , R^{70} and R^{71} each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein R^2 and R^3 , R^3 and R^4 , R^4 and R^5 , R^5 and R^6 , or R^6 and R^7 are optionally mutually bound to form a ring; wherein X and Y each represents independently $\text{C}(\text{R}^8)=$ or $\text{N}=$, R^8 represents a hydrogen atom, aliphatic group or aromatic group, either X or Y shall represent $\text{N}=$, and X and Y shall not be simultaneously $-\text{N}=$; and wherein in the formula (1), two or more substituent groups represented by $-\text{NR}^{170}\text{SO}_2\text{R}^{171}$ are present in the dye, and R^{170} and R^{171} each represents independently a hydrogen atom, aliphatic group or aromatic group.

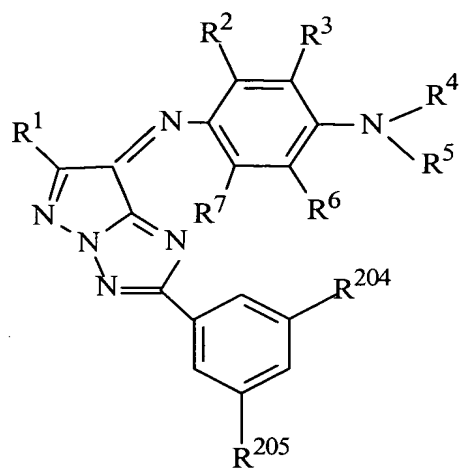
and wherein the polymer and the oil-soluble dye are separate compounds.

Claim 16 (Currently Amended): A coloring composition according to claim 15, wherein the oil-soluble dye is at least one compound represented by any one of formulae (2-1) to (2-5):

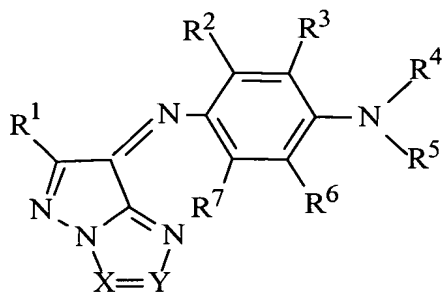
(2-1)



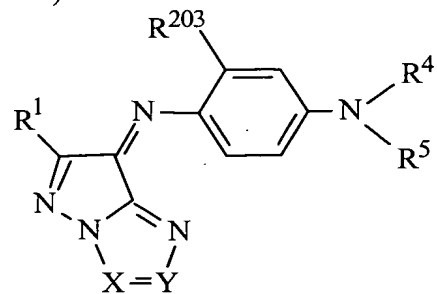
(2-3 a)



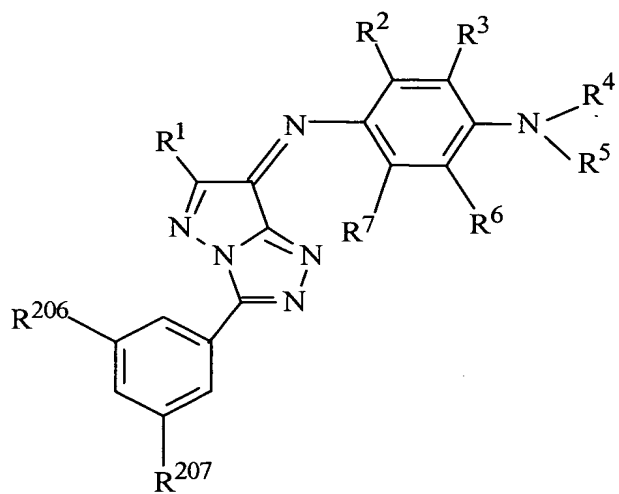
(2-4)



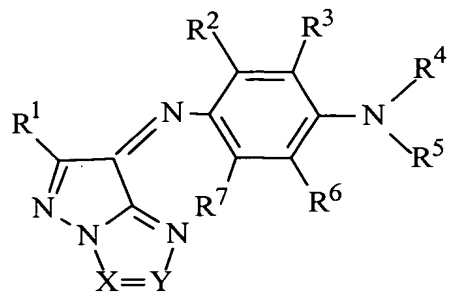
(2-2)



(2-3 b)



(2-5)



wherein in the formulae (2-1) to (2-5) X, Y, R¹, R², R³, R⁴, R⁵, R⁶, R⁷ and R⁸ have the same meanings as defined with respect to the formula (1); wherein in the formula (2-1) R²⁰¹ and R²⁰² each represents a C₁₋₁₈ alkyl group having a substituent group, the substituent group is at least one member selected from group consisting of a heterocyclic group, cyano, -OR¹⁴¹, -SR¹⁴², -CO₂R¹⁴³, -OCOR¹⁴⁴, -NR¹⁴⁵R¹⁴⁶, -CONR¹⁴⁷R¹⁴⁸, -SO₂R¹⁴⁹, -SO₂NR¹⁵⁰R¹⁵¹, -NR¹⁵²CONR¹⁵³R¹⁵⁴, -NR¹⁵⁵CO₂R¹⁵⁶, -COR¹⁵⁷, -NR¹⁵⁸COR¹⁵⁹ and -NR¹⁶⁰SO₂R¹⁶¹, and R¹⁴¹, R¹⁴², R¹⁴³, R¹⁴⁴, R¹⁴⁵, R¹⁴⁶, R¹⁴⁷, R¹⁴⁸, R¹⁴⁹, R¹⁵⁰, R¹⁵¹, R¹⁵², R¹⁵³, R¹⁵⁴, R¹⁵⁵, R¹⁵⁶, R¹⁵⁷, R¹⁵⁸, R¹⁵⁹, R¹⁶⁰ and R¹⁶¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-2) R²⁰³ represents a C₁₋₁₀ substituted alkyl group; wherein in the formulae (2-3a) and (2-3b), R²⁰⁴, R²⁰⁵, R²⁰⁶ and R²⁰⁷ each represents independently a cyano or a group having no more than C₁₀₀ selected from the group consisting of an aliphatic group, aromatic group, heterocyclic group, -OR²¹¹, -SR²¹², -CO₂R²¹³, -OCOR²¹⁴, -NR²¹⁵R²¹⁶, -CONR²¹⁷R²¹⁸, -SO₂R²¹⁹, -SO₂NR²²⁰R²²¹, -NR²²²CONR²²³R²²⁴, -NR²²⁵CO₂R²²⁶, -COR²²⁷, NR²²⁸COR²²⁹ and -NR²³⁰SO₂R²³¹, and R²¹¹, R²¹², R²¹³, R²¹⁴, R²¹⁵, R²¹⁶, R²¹⁷, R²¹⁸, R²¹⁹, R²²⁰, R²²¹, R²²², R²²³, R²²⁴, R²²⁵, R²²⁶, R²²⁷, R²²⁸, R²²⁹, R²³⁰ and R²³¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-4) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ has substituent groups represented by -NR²⁷¹SO₂R²⁷², two or more substituent groups represented by -NR²⁷¹SO₂R²⁷² are contained in the dye, and R²⁷¹ and R²⁷² each represents independently a hydrogen atom, aliphatic group or aromatic group; and wherein in the formula (2-5) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ has one or more water-soluble groups.

Claim 17 (Original): A coloring composition according to claim 15, wherein the coloring composition has a wavelength of maximum absorption (λ_{\max} (nm)) in a wavelength range from 510 to 560 nm; and when absorbance at λ_{\max} is regarded as 1, the absorbance is no less than 0.2 at ($\lambda_{\max} + 75$ nm), and the absorbance is no more than 0.4 at ($\lambda_{\max} - 75$ nm).

Claim 18 (Currently Amended): An ink jet recording method comprising the steps of:

- (1) preparing an ink for an ink jet; and
- (2) using the ink for recording in an ink-jet printing device;

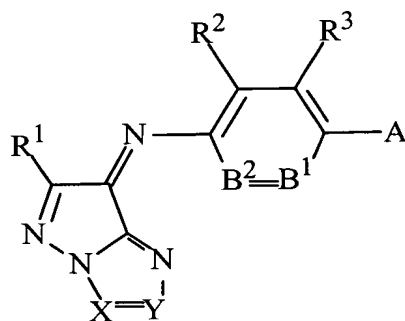
wherein the ink comprises a coloring composition comprising:

- (a) a dispersion medium; and
- (b) coloring particulates comprising:

(b-1) a polymer which is selected from the group consisting of polyurethanes, polyesters, polyamides, polyureas and polycarbonates; and

(b-2) an oil-soluble dye represented by formula (1):

Formula (1)

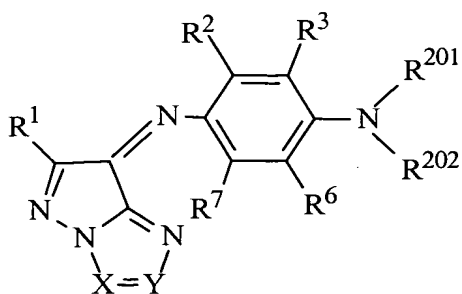


wherein R^1 represents a hydrogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, $-OR^{11}$, $-SR^{12}$, $-CO_2R^{13}$, $-OCOR^{14}$, $-NR^{15}R^{16}$, $-CONR^{17}R^{18}$, $-SO_2R^{19}$, $-SO_2NR^{20}R^{21}$, $-NR^{22}CONR^{23}R^{24}$, $-NR^{25}CO_2R^{26}$, $-COR^{27}$, $-NR^{28}COR^{29}$ or $-NR^{30}SO_2R^{31}$, and R^1 , R^2 , R^3 , R^4 , R^5 , R^{16} , R^{17} , R^{18} , R^{19} , R^{20} , R^{21} , R^{22} , R^{23} , R^{24} , R^{25} , R^{26} , R^{27} , R^{28} , R^{29} , R^{30} and R^{31} each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein A represents $-NR^4R^5$ or a hydroxyl group, and R^4 and R^5 each represents independently a hydrogen atom, aliphatic group, aromatic group or heterocyclic group; wherein B^1 represents $=C(R^6)-$ or $=N-$ and B^2 represents $-C(R^7)=$ or $-N=$; wherein R^2 , R^3 , R^6 and R^7 each represents independently a hydrogen atom, halogen atom, aliphatic group, aromatic group, heterocyclic group, cyano, $-OR^{51}$, $-SR^{52}$, $-CO_2R^{53}$, $-OCOR^{54}$, $-NR^{55}R^{56}$, $-CONR^{57}R^{58}$, $-SO_2R^{59}$, $-SO_2NR^{60}R^{61}$, $-NR^{62}CONR^{63}R^{64}$, $-NR^{65}CO_2R^{66}$, $-COR^{67}$, $-NR^{68}COR^{69}$ or $-NR^{70}SO_2R^{71}$, and R^{51} , R^{52} , R^{53} , R^{54} , R^{55} , R^{56} , R^{57} , R^{58} , R^{59} , R^{60} , R^{61} , R^{62} , R^{63} , R^{64} , R^{65} , R^{66} , R^{67} , R^{68} , R^{69} , R^{70} and R^{71} each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein R^2 and R^3 , R^3 and R^4 , R^4 and R^5 , R^5 and R^6 , or R^6 and R^7 are optionally mutually bound to form a ring; wherein X and Y each represents independently $C(R^8)=$ or $N=$, R^8 represents a hydrogen atom, aliphatic group or aromatic group, either X or Y shall represent $N=$, and X and Y shall not be simultaneously $-N=$; and wherein in the formula (1), two or more substituent groups represented by $-NR^{170}SO_2R^{171}$ are present in the dye, and R^{170} and R^{171} each represents independently a hydrogen atom, aliphatic group or aromatic group.

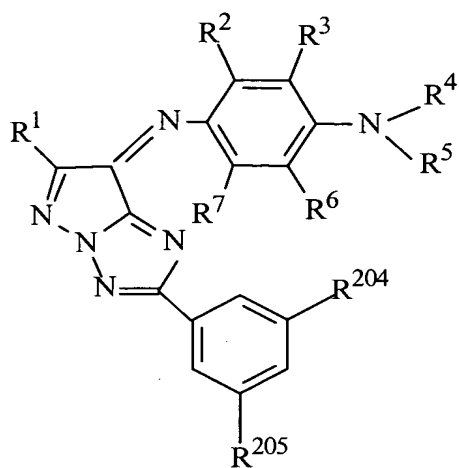
and wherein the polymer and the oil-soluble dye are separate compounds.

Claim 19 (Currently Amended): An ink jet recording method according to claim 18, wherein the oil-soluble dye is at least one compound represented by any one of formulae (2-1) to (2-5):

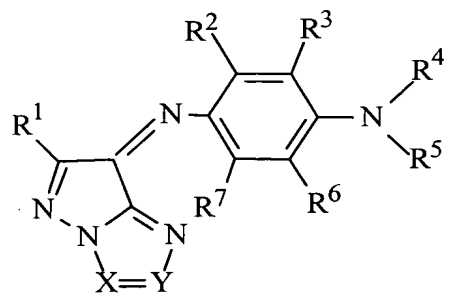
(2-1)



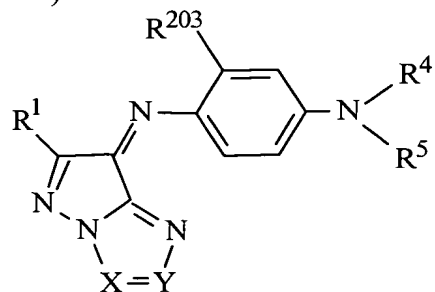
(2-3 a)



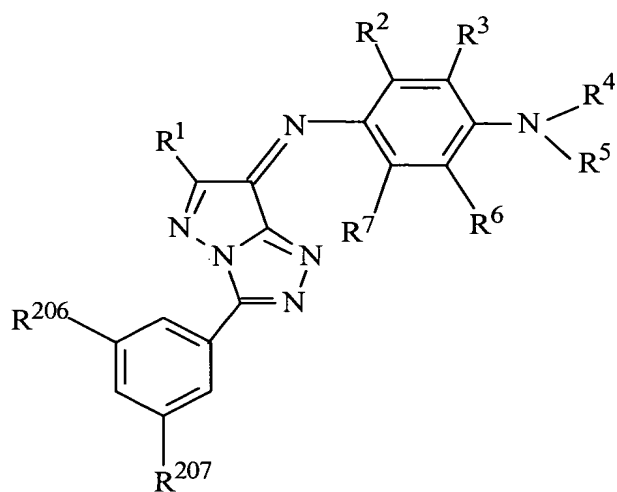
(2-4)



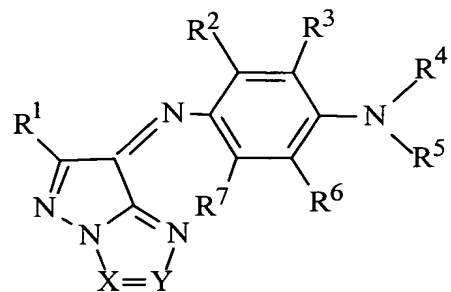
(2-2)



(2-3 b)



(2-5)



wherein in the formulae (2-1) to (2-5) X, Y, R¹, R², R³, R⁴, R⁵, R⁶, R⁷ and R⁸ have the same meanings as defined with respect to the formula (1); wherein in the formula (2-1) R²⁰¹ and R²⁰² each represents a C₁₋₁₈ alkyl group having a substituent group, the substituent group is at least one member selected from group consisting of a heterocyclic group, cyano, -OR¹⁴¹, -SR¹⁴², -CO₂R¹⁴³, -OCOR¹⁴⁴, -NR¹⁴⁵R¹⁴⁶, -CONR¹⁴⁷R¹⁴⁸, -SO₂R¹⁴⁹, -SO₂NR¹⁵⁰R¹⁵¹, -NR¹⁵²CONR¹⁵³R¹⁵⁴, -NR¹⁵⁵CO₂R¹⁵⁶, -COR¹⁵⁷, -NR¹⁵⁸COR¹⁵⁹ and -NR¹⁶⁰SO₂R¹⁶¹, and R¹⁴¹, R¹⁴², R¹⁴³, R¹⁴⁴, R¹⁴⁵, R¹⁴⁶, R¹⁴⁷, R¹⁴⁸, R¹⁴⁹, R¹⁵⁰, R¹⁵¹, R¹⁵², R¹⁵³, R¹⁵⁴, R¹⁵⁵, R¹⁵⁶, R¹⁵⁷, R¹⁵⁸, R¹⁵⁹, R¹⁶⁰ and R¹⁶¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-2) R²⁰³ represents a C₁₋₁₀ substituted alkyl group; wherein in the formulae (2-3a) and (2-3b), a R²⁰⁴, R²⁰⁵, R²⁰⁶ and R²⁰⁷ each represents independently a cyano or a group having no more than C₁₀₀ selected from the group consisting of an aliphatic group, aromatic group, heterocyclic group, -OR²¹¹, -SR²¹², -CO₂R²¹³, -OCOR²¹⁴, -NR²¹⁵R²¹⁶, -CONR²¹⁷R²¹⁸, -SO₂R²¹⁹, -SO₂NR²²⁰R²²¹, -NR²²²CONR²²³R²²⁴, -NR²²⁵CO₂R²²⁶, -COR²²⁷, -NR²²⁸COR²²⁹ and -NR²³⁰SO₂R²³¹, and R²¹¹, R²¹², R²¹³, R²¹⁴, R²¹⁵, R²¹⁶, R²¹⁷, R²¹⁸, R²¹⁹, R²²⁰, R²²¹, R²²², R²²³, R²²⁴, R²²⁵, R²²⁶, R²²⁷, R²²⁸, R²²⁹, R²³⁰ and R²³¹ each represents independently a hydrogen atom, aliphatic group or aromatic group; wherein in the formula (2-4) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷ and R⁸ has substituent groups represented by -NR²⁷¹SO₂R²⁷², two or more substituent groups represented by -NR²⁷¹SO₂R²⁷² are contained in the dye, and R²⁷¹ and R²⁷² each represents independently a hydrogen atom, aliphatic group or aromatic group; and wherein in the formula (2-5) at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ has one or more water-soluble groups.

Claim 20 (Original): An ink jet recording method according to claim 18, wherein the ink has a wavelength of maximum absorption (λ_{\max} (nm)) in a wavelength range from 510 to 560 nm; and when absorbance at λ_{\max} is regarded as 1, the absorbance is no less than 0.2 at ($\lambda_{\max} + 75\text{nm}$), and the absorbance is no more than 0.4 at ($\lambda_{\max} - 75\text{nm}$).

Claim 21 (Previously Presented): The ink for an ink jet according to claim 1, wherein R^8 represents a substituted aryl group.

Claim 22 (Previously Presented): The coloring composition according to claim 15, wherein R^8 represents a substituted aryl group.

Claim 23 (Previously Presented): The ink jet recording method according to claim 18, wherein R^8 represents a substituted aryl group.